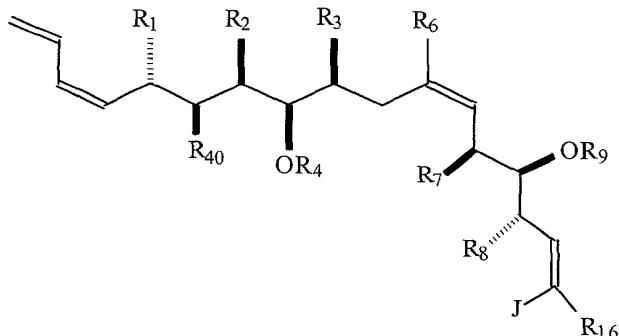


What is claimed is:

1. A compound of formula:



wherein:

5 R_1 , R_2 , R_7 , and R_8 are independently selected from hydrogen and C_1-C_{10} alkyl;

R_3 , R_6 , and R_{16} are independently selected from hydrogen and C_1-C_6 alkyl;

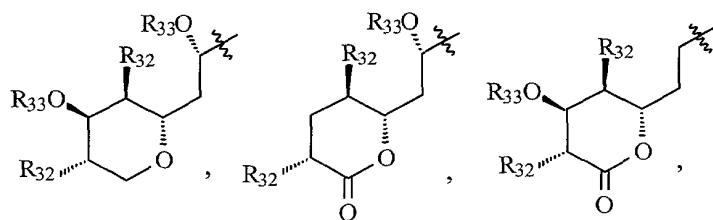
10 R_4 and R_9 are selected from hydrogen and acid labile protecting groups;

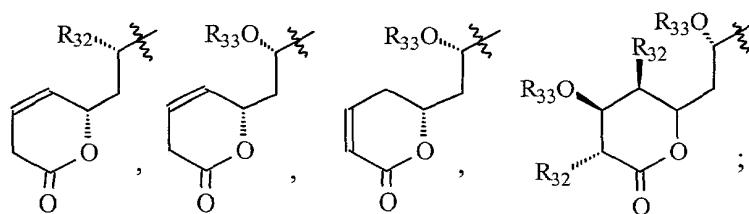
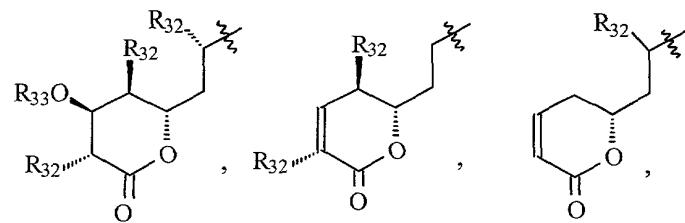
R_{40} is selected from OR_{25} and $OC(=O)NH_2$;

R_{25} is selected from hydrogen and an oxidatively labile protecting group; and

J is selected from:

15





alkaryl and alk heteroaryl wherein aryl and heteroaryl are optionally substituted and alk is optionally substituted with R₃₂ or OR₃₃;

wherein:

R₃₂ is selected from hydrogen and C₁-C₆ alkyl; and

R₃₃ is selected from hydrogen and an acid labile hydroxy protecting group.

10

2. The compound of claim 1 wherein R₆ is H.

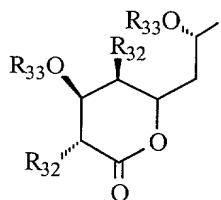
3. The compound of claim 1 wherein R₁, R₂, R₇, and R₈ are methyl.

4. The compound of claim 1 wherein R₄, R₉, and R₃₃ are hydrogen.

5. The compound of claim 1 wherein R₁, R₂, R₇, and R₈ are methyl; R₄, R₆, and R₉ are hydrogen; and R₄₀ is -OC(O)NH₂.

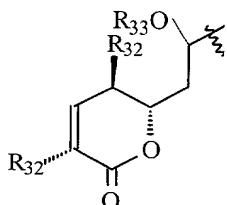
6. The compound of claim 5 wherein J is

5



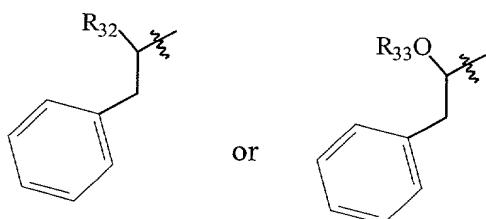
wherein R₃₂ is methyl and R₃₃ is hydrogen.

7. The compound of claim 1 wherein R₁, R₂, R₆, R₇, and R₈ are methyl; R₄ and R₉ are H; R₄₀ is -OC(O)NH₂; and J is



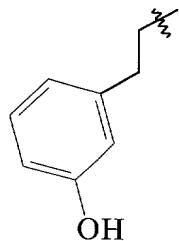
10 wherein R₃₂ is methyl and R₃₃ is H.

8. The compound of claim 1 wherein J is



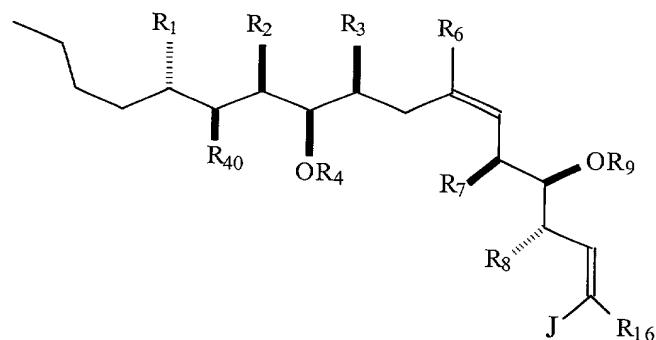
wherein the phenyl group is optionally substituted with C₁-C₄ alkyl, haloalkyl, hydroxy, alkoxy, or haloalkoxy.

9. The compound of claim 8 wherein R₁, R₂, R₃, R₆, R₇ and R₈ are methyl, R₄, R₉, and R₁₆ are hydrogen, R₄₀ is -OC(=O)NH₂, and J is



5

10. A compound having the following formula:



wherein:

R₁, R₂, R₇, and R₈ are independently hydrogen or C₁-C₁₀ alkyl;

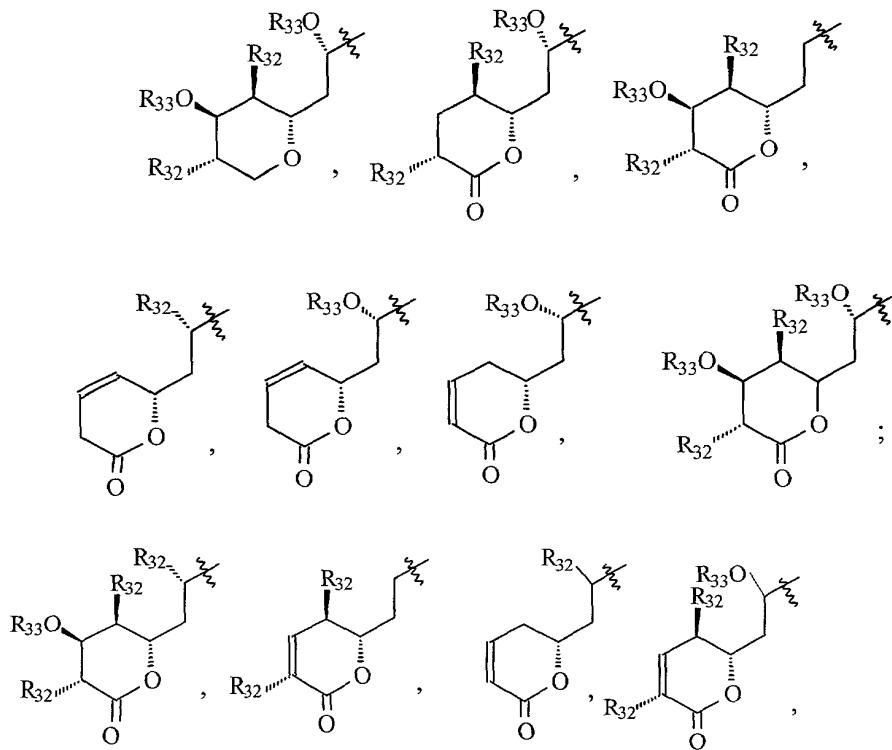
10 R₃, R₆, and R₁₆ are independently hydrogen or C₁-C₆ alkyl;

R₄, and R₉ are independently hydrogen or acid labile protecting groups;

R₄₀ is selected from OR₂₅ and OC(=O)NH₂;

15 R₂₅ is hydrogen or an oxidatively labile protecting group; and

J is selected from:



alkaryl and alkheteroaryl wherein aryl and heteroaryl
5 are optionally substituted and alk is optionally substituted
with R₃₂ or OR₃₃;

wherein

R₃₂ is hydrogen or C₁-C₆ alkyl; and

10 R₃₃ is hydrogen or an acid labile hydroxy protecting
group.

11. The compound of claim 10 wherein R₆ is H.

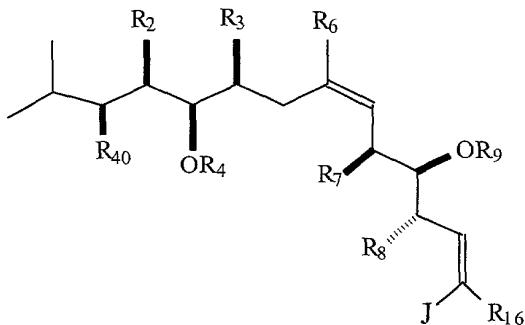
12. The compound of claim 10 wherein R₁, R₂, R₇,
and R₈ are methyl.

13. The compound of claim 10 wherein R₄, R₉, and R₃₃
15 are hydrogen.

14. The compound of claim 10 wherein R₁, R₂, R₇,

and R₈ are methyl; R₄, R₆, R₉, and R₃₃ are H; and R₄₀ is -OC(O)NH₂.

15. A compound having the formula:



5 wherein

R₂, R₇, and R₈ are independently hydrogen or C₁-C₁₀ alkyl;

R₃, R₆, and R₁₆ are independently hydrogen or C₁-C₆ alkyl;

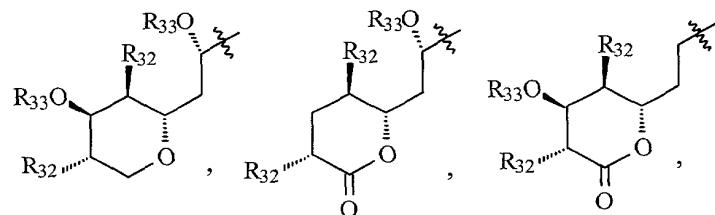
10 R₄, R₉, and R₃₃ are independently hydrogen or acid labile protecting groups;

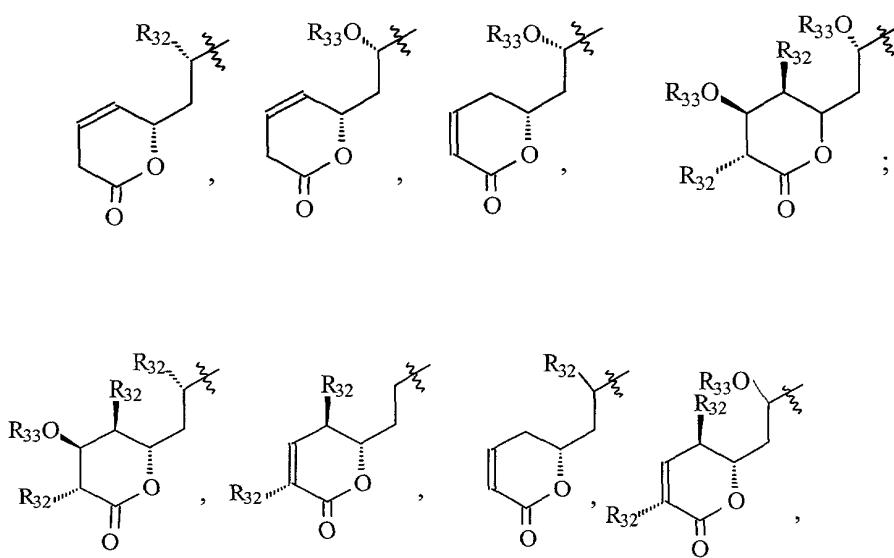
R₄₀ and R₉ are independently hydrogen or acid labile protecting hydroxyl groups;

R₄₀ is selected from OR₂₅ and OC(=O)NH₂;

R₂₅ is hydrogen or an oxidatively labile protecting group; and

15 J is selected from:





alkaryl and alk heteroaryl wherein aryl and heteroaryl are
optionally substituted and alk is optionally substituted
5 with R₃₂ or OR₃₃;

wherein

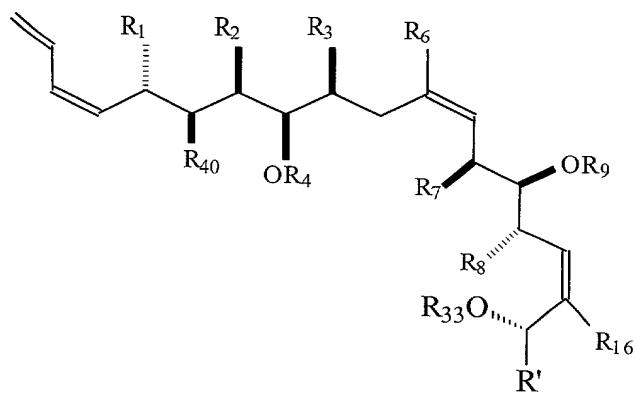
R₃₂ is hydrogen or C₁-C₆ alkyl; and

R₃₃ is hydrogen or an acid labile hydroxy protecting
group.

10 16. The compound of claim 15 wherein R₆ is H.

17. The compound of claim 15 wherein R₁, R₂, R₇,
and R₈ are methyl.

18. A compound having the formula:



wherein:

R₁, R₂, R₇, and R₈ are independently hydrogen or C₁-C₁₀ alkyl;

R₃, R₆, and R₁₆ are independently hydrogen or C₁-C₆ alkyl;

R₄, R₉, and R₃₃ are independently hydrogen or acid labile protecting groups;

R₄, R₉, are independently hydrogen or acid labile protecting hydroxyl groups;

R₂₅ is hydrogen or an oxidatively labile protecting group;

R₄₀ is selected from OR₂₅ and OC(=O)NH₂;

R' is methyl or alkyl-R"; and

R" is C₁-C₁₀ alkoxy, hydroxy, or -C(O)CH₃.

19. The compound of claim 18 wherein R₆ is hydrogen.

20. The compound of claim 18 wherein R₁, R₂, R₇, and R₈ are methyl.

21. The compound of claim 20 wherein R₄, R₉, and R₃₃ are H.

22. The compound of claim 18 wherein R₁, R₂, R₇, and R₈ are methyl; R₄, R₆, R₉, and R₃₃ are H; and R₄₀ is -OC(O)NH₂.